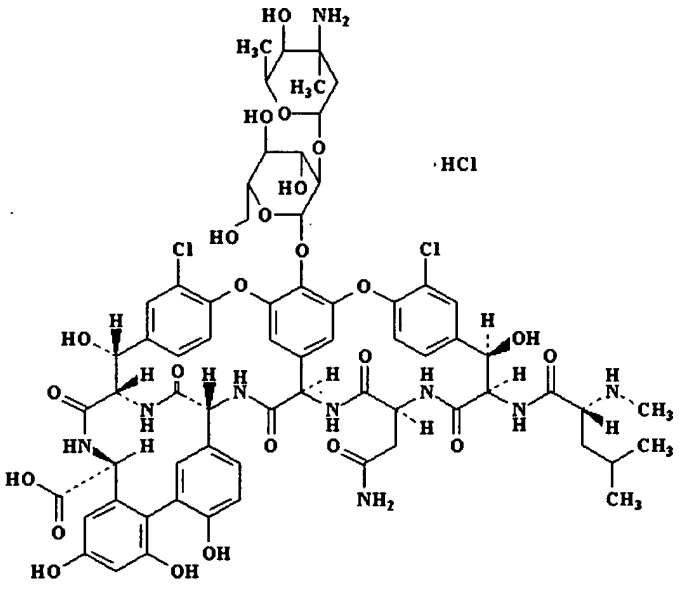
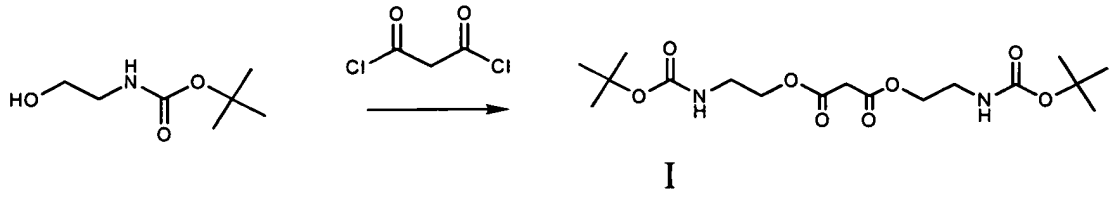
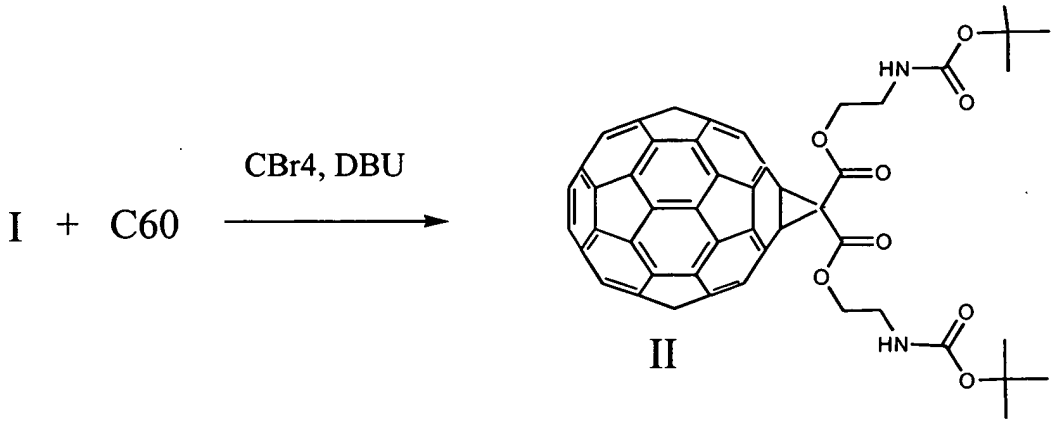
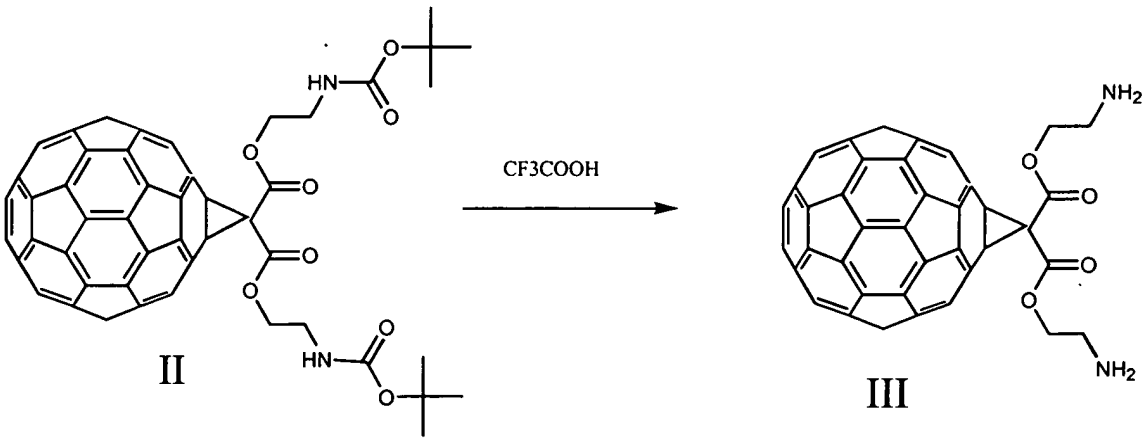

HO
NH2
H3C
H3C
HO
O
O
HO
O
HO
HO
O
·HCl
Cl
Cl
O
O
O
H
HO
H
OH
O
H
O
H
H
O
H
H
H
O
H
H
N
CH3
O
N
N
N
N
N
N
H
H
H
H
H
H
H
H
CH3
HN
H
O
O
NH2
HO
CH3
O
HO
OH
OH

Fig. 1


HO
Cl
Cl
(A)
I


I + C60
CBr4, DBU
HN
(B)
II


HN
CF3COOH
NH2
(C)
II
III

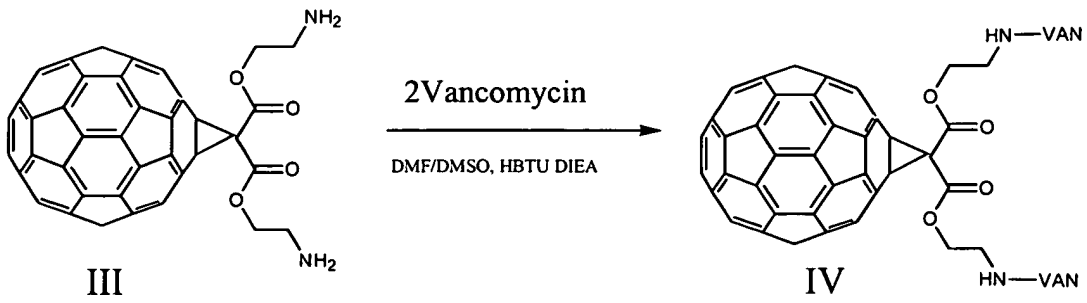

NH2
2Vancomycin
DMF/DMSO, HBTU DIEA
HN—VAN
(D)
III
IV

Fig. 2